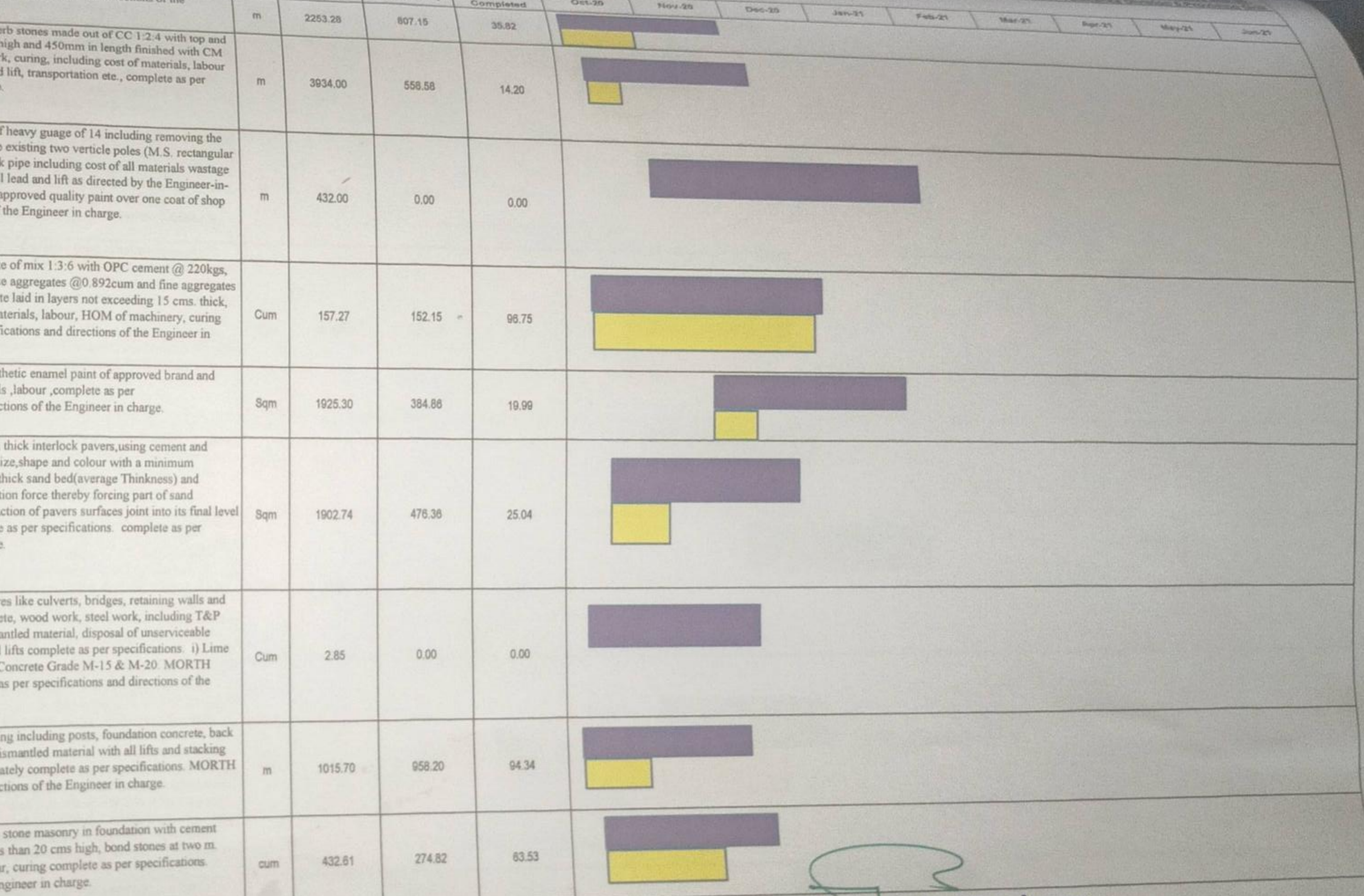
Name of Work :- Package No.11.1.Providing Children's playing equipments and gym equipments at Attaguppe Lake in Ward No.94 of Yelahanka Division 4.Providing Grill Fencing to Selected parks in Ward No.02, 93 & 94 of Yelahanka Division 5.Providing Grill Fencing to Selected parks in Ward No.02, 93 & 94 of Yelahanka Division 6.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 7.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 8.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 9.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 10.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 11.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 12.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 13.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 14.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 15.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 16.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 17.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 18.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 19.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 20.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 21.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 22.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 23.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 24.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 25.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 26.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 27.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 28.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 29.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 30.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 31.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 32.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 33.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 34.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 35.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 36.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 37.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 38.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 39.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 40.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 41.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 42.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 43.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 44.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 45.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 46.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 47.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 48.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 49.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 50.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 51.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 52.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 53.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 54.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 55.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 56.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 57.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 58.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 59.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 60.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 61.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 62.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 63.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 64.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 65.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 66.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 67.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 68.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 69.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 70.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 71.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 72.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 73.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 74.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 75.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 76.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 77.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 78.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 79.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 80.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 81.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 82.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 83.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 84.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 85.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 86.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 87.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 88.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 89.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 90.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 91.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 92.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 93.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 94.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 95.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 96.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 97.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 98.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 99.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division 100.Providing Grill Fencing and Construction of Bedmanhon Road at Kattigenahalli Lake in Ward No.94 of Yelahanka Division

Sl No	Description of Work	Unit	BOQ Qty	Executed Qty	% of Work Completed
1	Removing and resetting of kerb stones. complete as per specifications and directions of the Engineer in charge.	m	2253.28	807.15	35.82
2	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc., complete as per specifications and directions of the Engineer in charge.	m	3934.00	558.58	14.20
3	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint complete as per specifications and directions of the Engineer in charge.	m	432.00	0.00	0.00
4	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per specifications and directions of the Engineer in charge.	Cum	157.27	152.15	96.75
5	Providing and applying painting in two coat with Synthetic enamel paint of approved brand and manufacture on concrete surface with cost of materials ,labour ,complete as per specifications.complete as per specifications and directions of the Engineer in charge.	Sqm	1925.30	384.86	19.99
6	Providing and laying heavy duty cobble stones 60mm thick interlock pavers,using cement and course sand for manufacturer of blocks of approved size,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed(average Thinkness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to comeup in between joints , final compaction of pavers surfaces joint into its final level including cost of materials,labour and HOM complete as per specifications. complete as per specifications and directions of the Engineer in charge.	Sqm	1902.74	476.36	25.04
7	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification. (5km lead = 57+2*1.28X5). complete as per specifications and directions of the Engineer in charge.	Cum	2.85	0.00	0.00
8	Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification. complete as per specifications and directions of the Engineer in charge.	m	1015.70	958.20	94.34
9	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. complete as per specifications and directions of the Engineer in charge.	cum	432.61	274.82	63.53



Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner

	and directions of the Engineer in charge.		126.16	66.72	52.89
13	Supplying and fixing M.S rectangular poles made out of two equal angles of 65X65X6 mm welded together and fixed in CC 1:2:4 with two numbers 16mm dia M.S hold fast rods each of length 25cms including cost of all materials cutting, bending scaffolding whereever necessary, nicely finishing the welded jonts with all lead lift and as per the direction of engineer incharge of the work and including providing two coats of approved quality paint over coat of shop painting (excluding cost of earthwork and concrete)..complete as per specifications and directions of the Engineer in charge.	m	646.04	0.00	0.00
14	Fabricating providing and erecting in position of MS Hot Dip galvanized sq hallow poles of 132 x132 heavy gauge length 3000mm with MS Hot Dip galvanized grill work as per approved design and drawing of chief architect using 12 x75mm galvanized flat for alround frame and 20 x 20mm square rods placing welding all the joints including griding finishing 2 coats of anticorrossive paint over one coat of metal primer the rate is inclusive of all materials all items of work cost painting welding cutting griding with lead and lift as per specifications including loading and unloading with cost and conveyance of all materials labour machinery and incidental charges for the successful completion of the work as per direction of engineer in charge of work.	Sqm	2418.00	2121.08	87.72
15	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangularpoleas and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour lead and lift and as per the directions of the engineer incharge of work including two coats of approved quality paint over one coat of shop paint. completion of the work as per direction of engineer in charge of work.	Sqm	1131.31	0.00	0.00
16	Providing and fixing M.S Gate as per Chief Architect Drawing , using 50mm x 50mm x 14 gauge M.S hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16mm x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40 mm x 6mm M.S flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. all the steel surface should be throughly cleaned free of rust and painted with anti materials , labour charges for all items of work , Hire charges for welding , cutting and grinding eqipment , electricity charges , with lead and lift , loading and unloading charges , etc.completion of the work as per direction of engineer in charge of work.	Sqm	27.90	0.00	0.00
17	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flap. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other completion of the work as per direction of engineer in charge of work.	Sqm	56.40	41.50	73.59
18	Providing and applying enamel metal paint two coats (exclusive primer coat) over new steel or other metal surfaces brushing to give an shade after cleaning oil grease dirt and other forien matters including cost of materials labour complete as per specifications. completion of the work as per direction of engineer in charge of work.	Sqm	839.71	0.00	0.00

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner

	[illegible]					
20	Earthwork excavation by manual means for foundations of buildings, water supply, sewage lines and electrical conduits either in pits or in trenches 1.5m and above in width in ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m, after breaking of clods complete as per specifications. (1Km lead = 571.2*1.2838.1), completion of the work as per direction of engineer in charge of work	Cum	599.06	154.67	127.88	
21	Providing and filling sand in trenches to required depth including watering ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site completion of the work as per direction of engineer in charge of work	cum	285.05	952.88	727.88	
22	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) 2005 and constructed with C.M 1:4 as per IS 2572 2005 including cost of all materials, labour charges, scaffolding, curing complete as per specifications, completion of the work as per direction of engineer in charge of work	Sqm	182.85	96.35	69.45	
23	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 24mm thick for flooring confirming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:4 mix finished with flush pointing using white cement including cost of materials, mortar including cutting, grinding the edge to half/full round wherever required, labour curing complete as per specification, completion of the work as per direction of engineer in charge of work (Upto 10th Floor)	Sqm	111.54	194.32	167.32	
24	Supply & fixing of children multi play equipment with spiral slide, monkey bar with number pannel Upright structural pipes of height 4.2 m are to be hot dip galvanized steel with a 114 mm OD and 2.2mm wall thickness of tubing. Roof of size 1.9m x 1.7m x 3.77 m, spiral slide of size 0.56m x 1.85m x 2.58m. Two rails of monkey bar size 3m x 1m are all tubular welded & fabricated from 48mm OD galvanized steel pipes for the outer bars &33 mm OD galvanized steel for the inner parallel bars with a valued tri powder coated finish Decks of size 1.5 x 1.5 m are pressed and punched welded and shotted powder coated in 2.2mm thickness or vinyl coated in a thickness of 6mm Decks of size 1.5 x 1.5 m are pressed and punched welded and shotted powder coated in 2.2mmthickness or vinyl coated in a thickness of 6mm Deck and platform beams saddle shall be all tubular welded inclined ramps of size 1.0m x 3.65m inner side of size 1m x 3.77m are fabricated from solid 2mm perforated solid punched steel 3 inches number pipes walls of size 1 m are tubular welded fabricated from 33 mm OD galvanized steelpipes for outer and 27mm OD galvanized steel pipes for inner bar with valued tri powder coat finish The poles	Each	2.00	2.00	155.05	
25	Supply and fixing of children Multi Play Equipment with double swing, curved side rubber slide with armrest roof upright structural pipes of weight 2.1 m and 1.1 m are to be schedule 40 ERW Galvanized steel with a 114mm OD and 2.2mm wall thickness of the tubing. Top poles are welded on to a base plate made from steel with 6mm inner diameter Deck of size 1.5m x 1.5m and Staircase of size 1.5 m x 1.5 m are fabricated from 2mm perforated solid punched steel Deck perimeter & protective pipe punched for attachments Handrail of height 0.5 m and 26 x 32 mm shall be an all-tubular welded unit fabricated from 33 OD galvanized steel pipes with a valued tri powder coating finish Exposed surfaces shall be covered with zinc rolled stabilized plastic safety caps as per Sun Road of size 2.1 m x 1.72 m x 1.77 m Spiral Slide of size 2220 mm x 1650 mm x 980 mm Straight Slide of size 840 mm x 305 mm x 65 mm Panels Roofs and panels are corrugated and UV protected weatherable Spring Number of thickness 26 x 8 mm, two rubber finishes Number Rigid walls of height 2.1 m are all tubular welded fabricated from 33 OD galvanized steel pipes for the outer pipes and 27mm OD galvanized steel for the inner parallel bars	Each	1.00	1.00	155.05	
26	Supply and fixing of children Multi Play Equipment with curved slide and number panel Upright structural pipes of weight 2.4 m 2.1 m 1.1 m schedule 40 ERW Galvanized steel with a 114mm OD and 2.2mm wall thickness of the tubing. All metal components are to be finished with a valued on powder coat finish With decks of size 1.5 x 1.5m and Staircase of size 1m x 1.1 m are fabricated from 1mm perforated solid punched steel Deck perimeter & protective pipe punched for attachments Decks are grooved, punched and welded and shotted and vinyl plastic coated in a thickness of 6mm Along with Handrail of height 0.5 m and 26 x 32 mm shall be an all-tubular welded unit fabricated from 33 OD galvanized steel pipes with a valued tri powder coating finish Curved Slide of size 1.4 m x 1.5 m x 2.6 m Panels Upgrade of donkey ears of size 0.8 m x 1.4 m Deck of size 1.5 m x 1.5m are fabricated from 1mm perforated solid punched steel Deck perimeter & protective pipe punched for attachments Decks are grooved, punched, and welded and shotted and vinyl plastic coated in a thickness of 6mm Roof of size 2.0 m x 1.7 m and height 1.87 m Spiral Slide of size 1.6 m x 1.6 m x 1.6 m Panels The rates are to be inclusive of supply and	Each	1.00	1.00	155.05	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner

31	certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 845 MM x 865 MM x 1710 MM . Capacity 1 person. Inclusive of All Taxes and Transportation Charges completion of the work as per direction of engineer in charge of work.	Each	1.00	1.00	100.00	
32	Supply & fixing of Pull Down Challenger : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 2570 MM x 840 MM x 2200 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges.completion of the work as per direction of engineer in charge of work.	Each	1.00	1.00	100.00	
33	Supply & fixing of Seated Chest Press : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1955 MM x 730 MM x 1955 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges.completion of the work as per direction of engineer in charge of work.	Each	1.00	1.00	100.00	

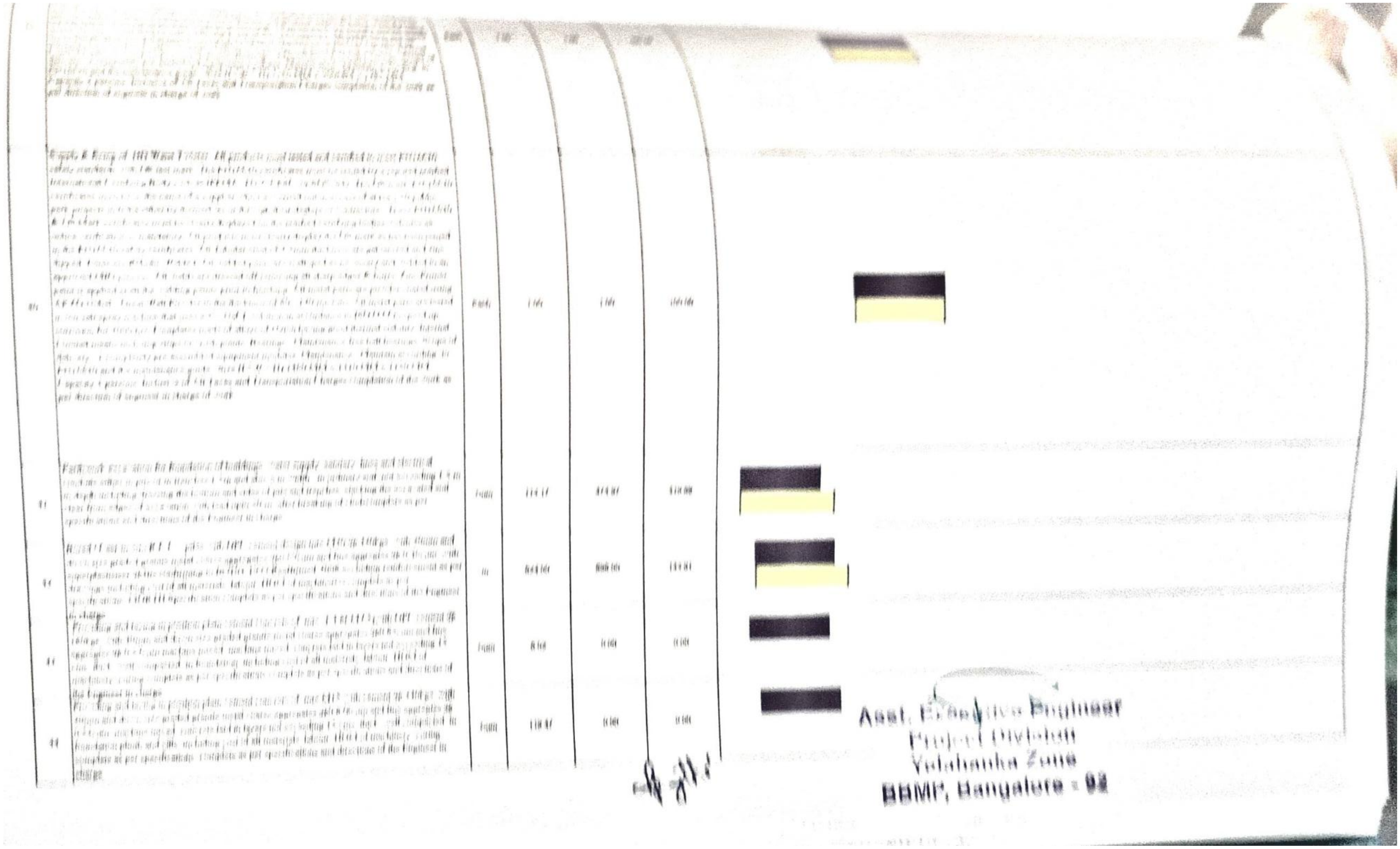
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner

16	removing all sharp edges & burrs. 2 no. Primer paint is applied at all the welding joints prior to finishing. All metal parts are powder coated using AKZO Nobel Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO 9227 to speed up corrosion for 1000 hrs. The seat is made from Rotomoulded LLDPE. Bearings: Maintenance free ball bearings. Equipment which have swag and moving parts must have built in limiters that prevent unwanted and excessive movement which can cause injuries. The limiters must be in accordance with EN16630 safety norms. Scope of delivery: 1 completely pre assembled equipment modules. Maintenance: Maintain according to EN16630 and the maintenance guide. Size (L*W*H) 1100 MM x 1100 MM x 900 MM. Capacity: 2 persons. Inclusive of: All Taxes and Transportation Charges. completion of the work as per direction of engineer in charge of work.	Each	1.00	1.00	100.00	
17	Supply & fixing of HD Squat Pushing: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC or SGS only. The GS mark EN16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630 GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and sub dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded by an approved MIG process. All welds are dressed off removing all sharp edges & burrs. 2 no. Primer paint is applied at all the welding joints prior to finishing. All metal parts are powder coated using AKZO Nobel Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO 9227 to speed up corrosion for 1000 hrs. Exupdates made of alloys of Nylon having good thermal stability. Internal Conical means to bump stops or crush joints. Bearings: Maintenance free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN16630 and the maintenance guide. Size (L*W*H) 1050 MM x 615 MM x 1160 MM. Capacity: 1 person. Inclusive of: All Taxes and Transportation Charges. completion of the work as per direction of engineer in charge of work.	Each	1.00	1.00	100.00	
18	Supply & fixing of HD Health Walker: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC or SGS only. The GS mark EN16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and sub dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded by an approved MIG process. All welds are dressed off removing all sharp edges & burrs. 2 no. Primer paint is applied at all the welding joints prior to finishing. All metal parts are powder coated using AKZO Nobel Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO 9227 to speed up corrosion for 1000 hrs. Exupdates made of alloys of Nylon having good thermal stability. Internal Conical means to bump stops or crush joints. Bearings: Maintenance free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN16630 and the maintenance guide. Size (L*W*H) 1050 MM x 615 MM x 1160 MM. Capacity: 1 person. Inclusive of: All Taxes and Transportation Charges. completion of the work as per direction of engineer in charge of work.	Each	1.00	1.00	100.00	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner



Scanned by TapScanner

48	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications, complete as per specifications and directions of the Engineer in charge	Sqm	1407.364	985.154	788.123	-
49	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls in any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications, complete as per specifications and directions of the Engineer in charge	Sqm	3453.34	2588.51	76.228	
50	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square rectangular polygon in plan including cost of all materials, labour complete as per specificance, complete as per specifications and directions of the Engineer in charge	Sqm	13.84	97.36	845.36	
51	Providing and removing centering, shuttering, strutting, propping etc. and removal of form work for suspended floors, landings, balconies and like, thickness upto 200 mm including cost of all materials, labour complete as per specifications for heights more than 3.5m from ground level upto 4 mtrs complete as per specifications and directions of the Engineer in charge	Sqm	72.24	1.20	1.20	
52	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications, complete as per specifications and directions of the Engineer in charge	Sqm	7.20	1.20	1.20	
53	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, breastumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications complete as per specifications and directions of the Engineer in charge	Sqm	120.24	1.20	1.20	
54	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, breastumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications complete as per specifications and directions of the Engineer in charge	Sqm	6.80	1.20	1.20	
55	Providing and laying in position ready mixed cement concrete of Design mix M25 with OPC cement @ 34.5kgs, with 2.0mm and down size graded granite metal coarse aggregates @0.78 cum and fine aggregates @ 0.47cum, with super plasticizers @ 3 liters confirming to IS 9103:1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, Vibrator for all works in foundation for footings, pedestals, retaining walls, return walls, walls any thickness including attached pilasters, columnspilasters, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, complete as per specifications and directions of the Engineer in charge (Qty upto 1.25%)	Cum	80.16	85.78	107.22	
56	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.78cum andfine aggregates @ 0.47cum, with superplasticiser @3 ltrs confirming to IS 9103:1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, Vibrator to all works in ground Floor level for roof slabs staircase, lintels, beams, retaining walls, return wall, walls any thickness including attached pilasters, columns, pillars,posts,struts,buttressing or string courses parapets,coping,bed blocks,anchor blocks,plain window sills,fillers including cost of all materials, labour,HOM of machinery, curing, complete as per complete as per specifications and directions of the Engineer in charge	Cum	23.74	1.20	1.20	
57	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.468cum and fine aggregates @ 0.281cum, with superplasticiser @0.226ltr, machine mixed, well compacted for plain chajja of 8.5 cms average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications complete as per specifications and directions of the Engineer in charge	Sqm	5.42	1.20	1.20	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner

60	Fabrication supplying and erecting MS & rolled sections of all square rods grouted in steel [illegible] in all positions including steel work in gates, railings, windows, ventilators and doors etc. complete as per specifications and directions of the Engineer in charge	kg	99011.19	109907.96	94.77	
61	Construction of embankment with approved material Gravel/Murrum with all lifts and leads transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications (Including cost of gravel, murrum, watering charges & compaction by necessary roller to 100 % of proctor density) MORTH Specification complete as per specifications and directions of the Engineer in charge	sum	249.58	1.00	1.00	
62	Providing and laying load bearing wall with solid concrete blocks of size 400X190X200 mm having a block density not less than 6.0Kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S. 2185 (Part 1) 2005 and constructed with CM : 1:4 as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc. complete as per specifications complete as per specifications and directions of the Engineer in charge	Sqm	28.81	1.00	1.00	
63	Providing 15mm thick cement plaster in single coat with cement mortar 1:4 to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications complete as per specifications and directions of the Engineer in charge	Sqm	482.73	1.00	1.00	
64	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications complete as per specifications and directions of the Engineer in charge	Sqm	545.89	1.00	1.00	
65	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of cladding works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications complete as per specifications and directions of the Engineer in charge	Sqm	92.19	1.00	1.00	
66	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications complete as per specifications and directions of the Engineer in charge	Sqm	98.30	1.00	1.00	
67	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all material cost of labour and scaffolding etc. complete as per specification complete as per specifications and directions of the Engineer in charge	Sqm	805.39	1.00	1.00	
68	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications - with primer complete as per specifications and directions of the Engineer in charge	Sqm	545.89	1.00	1.00	

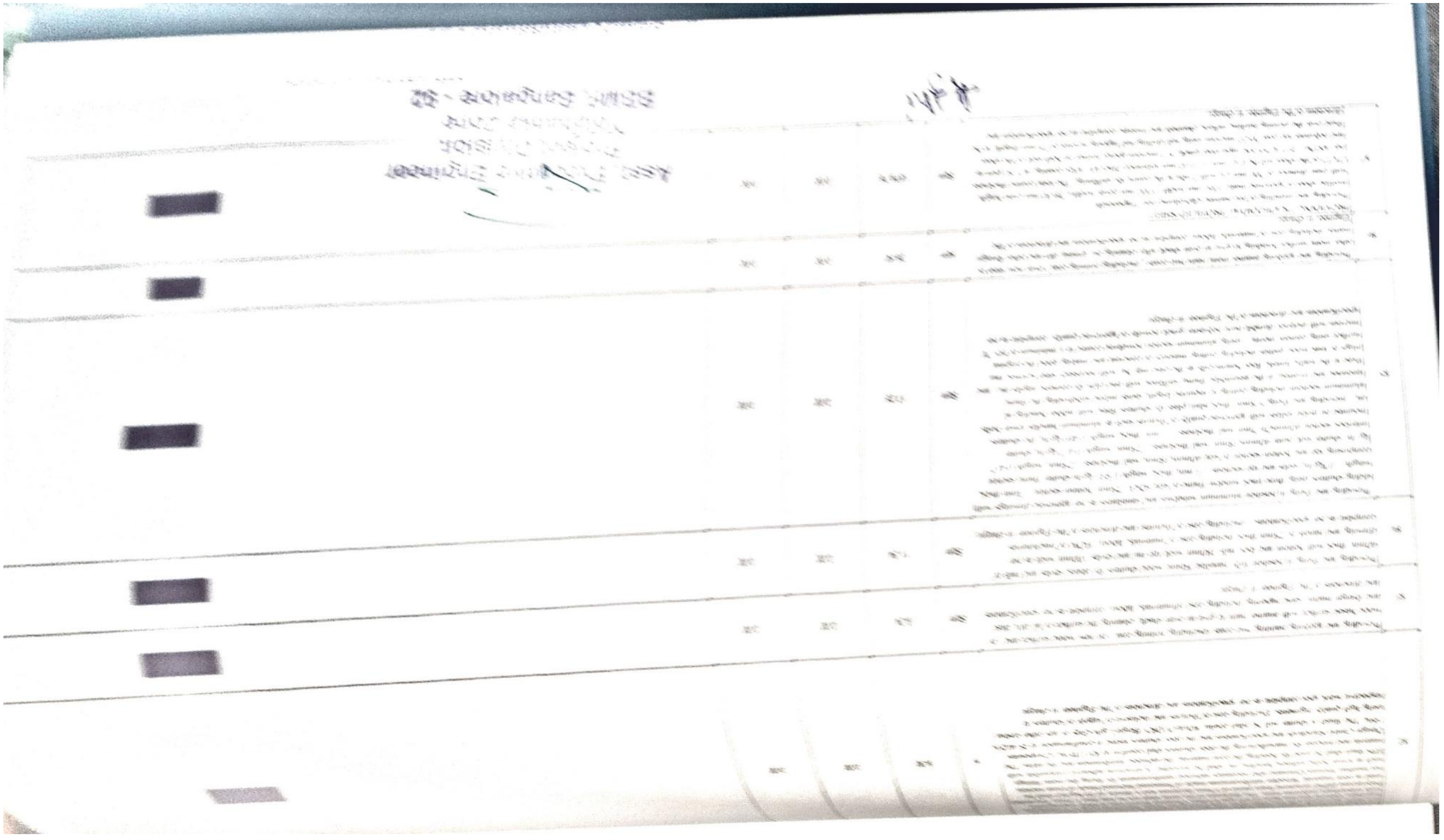
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner

71	[illegible]	Sqm	200.00	0.00	0.00	
72	Providing and laying 20 mm thick granite flooring in one shade with matching colour in polished finish including cutting and making openings for pipes, fittings, etc. and finishing the edges and corners true to shape and size, laying on 20 mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) and jointing with cement slurry @ 3.3 kg per sqm (thickness of base and slurry not included) complete as per specifications and directions of the Engineer in charge	Sqm	700.00	0.00	0.00	
73	Providing and laying 20 mm thick granite stone kerb stone in one shade with matching colour in polished finish with proper joints finished with cement slurry @ 3.3 kg per sqm including base of cement mortar 1:4 (1 cement : 4 coarse sand) complete as per specifications and directions of the Engineer in charge	Sqm	2.00	0.00	0.00	
74	Providing and laying vertical granite slab of approved colour and shade in one shade in any floor above ground floor level including all cutting, drilling, polishing, grooving, etc. complete as per specifications and directions of the Engineer in charge	Sqm	20.00	0.00	0.00	
75	Providing granite tread slab of approved colour and shade and size for flooring, landing of steps and making cut to a size of 1200 thick varying upto 1.5 mm thick including cutting, drilling, polishing etc complete as per specifications and directions of the Engineer in charge	Sqm	5.00	0.00	0.00	
76	Providing sloping kadur type of steps with coarse grained black granite stone of size 30 x 15 cm or 45 cm x 15 cm or 60 cm x 15 cm or 75 cm x 15 cm or 90 cm x 15 cm or 100 cm x 15 cm or 120 cm x 15 cm or 150 cm x 15 cm or 180 cm x 15 cm or 200 cm x 15 cm or 210 cm x 15 cm or 240 cm x 15 cm or 270 cm x 15 cm or 300 cm x 15 cm or 330 cm x 15 cm or 360 cm x 15 cm or

Scanned by TapScanner

79	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m including cost of materials, labour, complete as per specifications and directions of the Engineer in charge	Nos	4.00	0.00	0.00	
80	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of the Engineer in charge	cum	0.38	0.00	0.00	



Scanned by TapScanner

103	Providing and fixing 150x450mm (6" long) Ac Duct with 20mm thick insulation fixing of approved make and shade with flame thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge	Unit	0.00	0.00	0.00	
104	Providing and fixing C P brass towel rail 540mm length, 20mm dia with C P brackets, fixed to wooden cleats with C P brass screws including cost of materials, labour complete as per specifications and directions of the Engineer in charge	Unit	2.00	0.00	0.00	
105	Providing wash basin brackets of approved 1st qyuality and make confirming to ISI specifications and fixing for low down cistern as directed Rate includes cost of materials and conveyance to work spot complete as per specifications and directions of the Engineer in charge	Pair	1.00	0.00	0.00	
106	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R C C top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1 3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm complete as per specifications and directions of the Engineer in charge	NO	4.00	0.00	0.00	
107	Providing of stoneware gully trap of approved quality and make fixing in M-15 and plastering with CM 1:3 wherever necessary (Rate includes cost of all) complete as per specifications and directions of the Engineer in charge 10 cms x 10 cms	Nos	2.00	0.00	0.00	
108	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall : stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws Icomplete as per specifications and directions of the Engineer in charge 19 20mm dia, 2mm thick	Mtr	133.00	0.00	0.00	
109	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall : stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 550mm using NF screws Icomplete as per specifications and directions of the Engineer in charge 25mm dia, 2mm thick	Mtr	110.00	0.00	0.00	
110	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall : stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 550mm using NF screws Icomplete as per specifications and directions of the Engineer in charge 32mm dia, 2mm thick	Mtr	83.00	0.00	0.00	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP Bangalore

Scanned by TapScanner

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 93

Scanned by TapScanner

153	Providing and laying in position RCC Hume pipes NP3 conforming to IS:458 including excavation, bedding with sand cushion, jointing with cement mortar 1:2 (1 cement : 2 fine sand) complete as per the direction of Engineer-in-Charge (Mass approved rates)	Each	4.00	0.00	0.00	
154	Providing and laying of Filter media with granular materials hence crushed aggregate satisfying the requirements laid down in clause 2709.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification including cost of materials, labour, TOOM complete as per specifications and directions of the Engineer in charge	Cum	120.40	0.00	0.00	
155	Providing and constructing pitching / Revetment of 30 cm thick on slopes using granite/basalt/rip/stones of surface area not less than 0.04 sqm and wedged with spalls including cost of all materials, labour, TOOM etc., complete as per specification and directions of the Engineer in charge	Sqm	1224.00	0.00	0.00	
	EIRL ITEMS					
EIRL-1	KSRB15-3 Providing 20mm thick cement plaster in single coat with cement mortar, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering ,including providing and removing scaffolding ,cost of materials ,labour,curing etc complete as per specificatns KSRB15-3.12 de-cement mortar 1:6	Sqm		932.02		
EIRL-2	Earthwork excavation in all soil deposits and filling sides of foundations upto plinth in layers not exceeding 20cms ,in depth compacting each deposits layer by ramming after watering with all lead and lift including cost of all labour complete as per specification	cum		701.70		
EIRL-3	Fabricating, providing and erecting in position of M.S. Ornamental security Grill Gate without hot dip using 75 x 12mm M S Flat for shroud frame work with verticals at the centre and horizontal centre support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for square bars of full height and at 4cms C / C for bottom rods providing ornamental C I Designers at the bottom and CI arrows in the middle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necessary drilling holes, the work includes providing two coats of enamel painting over one coats of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the work as per specification and drawings	Kg		1020.00		

= Planned %

= Executed %

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner